# 07/03/00 PT

### HERBERT C. SCHULZE

ATTORNEY AT LAW
INTELLECTUAL PROPERTY CAUSES

2790 WRONDEL WAY, PMB36 RENO, NV 89502

Phone: (775) 826 - 3447 Fax; (775) 826 - 8286

EMail:

herb@dynachieve.com

July 3, 2000

Commissioner of Patents and Trademarks Washington, D.C. 20231

Dear Sir: Re: Application of Howard E. Wulforst

Enclosed herewith are the following:

- 1. Application of Howard E. Wulforst for Patent on: Business Model Algorithm and Apparatus for Creating and Executing Original Documents at Remote Locations;
  - 2. Executed Declaration and Small Entity Statement;
  - 3. Three copies of three sheets of informal drawings;
- 4. \$ 423.00 Filing fee may be charged to deposit account 19-0720.
  - 5. Postcard receipt.

I certify that this correspondence is being placed in Express Mail, Express Mail Number Ek803739455US on July 3, 2000 at Reno, Nevada addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 for the purpose of securing the filing date of July 3, 2000.

When the official filing receipt has been issued, kindly forward it to my address:

Herbert C. Schulze 2790 Wrondel Way, PMB 36 Reno, NV 89502

Respectfully submitted,

Herbert C. Schulze

Paginoso Mo	del Algorithm and Apparatus	for Creating Original
Documents at Remote I		
VERIFIED STA STATUS (37	ATEMENT (DECLARATION) CLAIMING SE CFR 1.9 (f) AND 1.27 (b)) - INDEPENDENT	MALL ENTITY 'INVENTOR
1.9 (c) for purposes of paying reto the Patent and Trademark	by declare that I qualify as an independenced fees under section 41 (a) and (b) Office with regard to the invention	entitled Business Model
Algorithm and Apparat	us for Creating Original	Documents at Remote
Locations described in		
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Howard E. Wulforst		
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Signature of Inventor	Signature of Inventor	Signature of Invento
July 3, 21	000	
	-	

### **APPLICATION**

OF

### HOWARD E. WULFORST

FOR

### UNITED STATES PATENT

ON

# BUSINESS MODEL ALGORITHM AND APPARATUS FOR CREATING AND EXECUTING ORIGINAL DOCUMENTS AT REMOTE LOCATIONS

NUMBER OF DRAWINGS: FOUR SHEETS

DOCKET NUMBER: 00 - 0628

HERBERT C. SCHULZE
Patent Office Registered # 18,173
2790 Wrondel Way, PMB3
Reno, NV 89502

(775) 826-3447

### TITLE OF THE INVENTION

Business Model Algorithm and Apparatus for Creating and Executing Original Documents at Remote Locations

### CROSS REFERENCE TO RELATED PATENT APPLICATIONS

There are no presently pending patent applications filed by me related to the within application.

### BACKGROUND OF THE INVENTION

### I. FIELD OF THE INVENTION

This invention is in the general field of creation, execution, and transmission of documents and the like;

The invention is more particularly in the field of useful business model algorithms which accomplish the creation and/or substitution of electronically transmitted, verified, and executed documents, agreements, and the like in lieu of original hard copy documents, agreements, and the like.

The invention is also in the field of copying copyrighted material for use of a person at a location distant from where the copyrighted material exists, without having a duplicate copy or violation of the copyrighted material in existence;

The invention is further in the field of electronic meeting attendance and voting.

### II. DESCRIPTION OF THE PRIOR ART

There has been considerable prior art in the general fields of document authentication and transmission. My patent number 6,038,035 and the references therein might be considered by some to be appropriate prior art, as well as my patent number 5,003,405 and the references therein.

There is limited prior art as to electronic attendance, participation, and voting at meeting and the like.

I have examined all of these matters and have come to the conclusion that while some of the matters presented can be in the art to be considered, that none of the art of which I am aware would suggest nor anticipate the inventions herein presented, except for my two patents.

Even though there are common features, as the inventor herein, my prior work did not anticipate nor suggest what I am now seeking to patent here. In fact, some of the items such as electronic execution of documents and electronic meeting attendance have not previously existed. With this understanding, I do not believe there is prior art as to the inventions herein presented.

### SUMMARY OF THE INVENTION

My previously mentioned United States Patents describe unique methods and apparatus for substituting a verified document for an original document. Such a method and apparatus has a wide field of use for rapid delivery of an authenticated document copy which can be substituted for an original document with the contemporaneous destruction of the original leaving the authenticated copy as the only "original" document.

The present invention provides an updated, automated, efficient, and useful business method algorithm which makes for added speed, acuracy, and security in document execution and substitution. Additionally, the present invention provides a method and apparatus by which single copies of copyrighted material may be transmitted with simultaneous destruction of the material being transmitted so that unauthorized use of the copyright material is avoided.

In the present invention I have provided a means for insertion of a document into an apparatus in which it is secure and observable. The apparatus scans the document and then electronically transmits an exact image of the document to a like, or similar, apparatus at a different location. Verification of accuracy of transmission is by the printing of, and authenticating of, a copy from that image. When

verified, the new document becomes the only original while the original which was scanned and transmitted and all images or other material from which a like document could be created are destroyed or deleted, thus leaving only one document which can be claimed to be the only proper original or substitute original.

My new step by step methods for secure document reproduction, validation, and electronic transmission and destruction outmodes all previous efforts in this field. By using this new algorithm the security, speed, and accuracy of document execution and substitution reaches a new height.

My new system for attending meetings and the like electronically will have very valuable uses. As is known, there are frequently important meetings with urgent issues to be decided which must be postponed, or whole bodies reorganized, due to illness or other absence of key members. Important legislation has even been lost or delayed due to members of political bodies being ill, or otherwise absent from a meeting. My new system can eliminate that problem.

Another important part of this invention is the alternate use of the internet and electronic mail in order to provide single original copies of a prior single original document at a location remote from the location of the single original document with complete verification of accuracy.

It is an object of this invention to provide business WULPTAPP.PAT -7-

model algorithms for achieving document substitution and destruction for the purpose of insuring that at all times there is only one usable original document, while at the same time instantly being able to cause that one original to exist at any desired location;

Another object of this invention is to provide secure document substitution utilizing electronic transmission means;

Another object of this invention is to provide for virtual instantaneous document substitution and authentication with internet interactive authentication;

Another object of this invention is to provide means for transmittal of a substituted copyrighted document in such manner that there will be only one authorized copy of such copyrighted material in existence in order to avoid any possible copyright misuse due to a requirement to view such material at more than one location;

Another object of this invention is to provide a method for a multiplicity of parties at different locations electronically to execute a single original document at any given location even though none of the parties might be physically at the location of the document;

Another object of this invention is to establish a method, or algorithm, for allowing participation in meetings and discussion and voting by members of a body who may be unavailable due to illness or the like.

The foregoing objects and other objects and advantages of this invention will become apparent to those skilled in the art upon reading the description of a preferred embodiment which follows in conjunction with a review of the appended drawings.

### BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is a block diagram showing a step by step business model algorithm of this invention;

Figure 2 is a block diagram of an alternate step by step business model algorithm of this invention;

Figure 3 is a schematic diagram of a document transport, destruct, and substitute path used in the algorithm of Figure 1;

Figure 4 is a schematic diagram of a document transport, destruct, and substitute path used in the algorithm of Figure 2;

Figure 5 is a block diagram of steps involved in creation of an original document electronically executed by a multiplicity of signatories at different locations to be held by a holder at a holder location;

Figure 6 is a block diagram of steps involved in an alternate system of creation of an original document electronically executed by a multiplicity of signatories at different locations to be held by a holder at a holder location;

Figure 7 is a block diagram of steps involved in another alternate system of creation of an original document electronically executed by a multiplicity of signatories at different locations to be held by a holder at a holder

location; and

Figure 8 is a block diagram of the steps involved in my new algorithm for electronic attendance and voting at meetings of elected, or other, bodies or organizations.

### DESCRIPTION OF A PREFERRED EMBODIMENT

An inventory of items bearing reference numerals in the drawings is:

Numeral	<u>Item</u>
10	facsimile sending machine
12	document feed
14	document tray
16	shredder
20	document
20a	document passing through shredder
20b	shredded document
22	facsimile document
30	facsimile transmission medium
40	facsimile receiving and printing machine
42	facsimile output slot
44	facsimile output tray
110	computer
110a	scanner
110b	monitor
112	computer
112a	printer
120	document
120a	document being shredded
120b	shredded document

120c document displayed on monitor

120d printed document

130 transmission net between computers

Figures 1, 2, 5, and 6 are block diagrams of the steps or actions performed in the business model algorithms of this invention.

Figures 3 and 4 are basically schematic views of apparatus which can be used to practice the algorithms of this invention since the mechanical and other physical, electrical, electronic, and other details will be known to those skilled in the art. The necessary installations and actions can be assembled and performed readily by those skilled in the art when this entire specification has been read and understood.

Figures 1 and 3 are best viewed together for a complete understanding of the basic operations and equipment necessary.

A single original document 20 is placed on a document feeding tray 14 adjacent a feeding slot 12 on facsimile machine 10 or some other document scanner or the like. The machine 10 will be activated by dialing a telephone number, or by other activation means as will be understood by those skilled in the art. After the document 20 has been scanned and/or transmitted or the like, the document will continue into shredder 16 where it is shredded into strips or bits 20a, ultimately being reduced to shredded rubble 20b. At this point, the original document 20 no longer exists.

In the meantime, the image of the document 20 has either been stored within the machine 10 for later transmission, or it has already been transmitted over telephone network 30 or some other transmission system as will be known to those skilled in the art.

The image of the document will be received into facsimile machine 40 or other suitable equipment where it will be printed out automatically as document 22 received onto output tray 44 through output slot 42. The machine 40 will have been programmed so as to print each received image only once, with no memory of the document being allowed.

As will be understood by those skilled in the art this entire process can be totally secure and result in the substitution of a " new original " document at a place distant from the now non-existent " original original ".

Alternatively each document may be retained in position until the final "new original" document 22 has been verified as being accurate with the destruction and deletion steps being delayed until such verification has been provided.

Figures 2 and 4 should now be examined together. This is an alternate business model algorithm for the substitution of a verified "original "document at a distant location, which document is the only one of its kind, the "original original "having been destroyed at the time of electronic transmission of an image of the "original original".

An original document 120 is placed on a document scanner 110a or the like which communicates with computer or the like 110. The scanner 110a will be activated in a customary manner as will be understood by those skilled in the art. After the document 120 has been scanned the document 120 will continue into shredder 116 which is integral with, or otherwise cooperative with, the scanner in such manner that the scanner on a return after scanning can cause the document 120 to move into the shredder where it is shredded into strips or bits 120a, ultimately being reduced to shredded rubble 120b. At this point, the original document 120 no longer exists. All of these steps and actions will be understood and can be practiced by those killed in the art.

In the meantime, the image of the document 120 has either been stored within computer 110 for later transmission, or it has already been transmitted over internet or other network 130 or some other transmission system as will be known to those skilled in the art. As an example, the document image can be transmitted as an e-mail attachment.

The image of the document 120 will be received into the computer 112 or other suitable equipment. The document will be printed out automatically by printer 112a on command from computer 112. The document will be received onto output tray 144 through output slot 142. The computer 112 will have been programmed so as to print each received image only once, with no memory of the document being allowed. This prevents any unauthorized additional copies.

As in the previously described process, the copies and images may be retained until the accuracy of document 122 has been established before destruction or deletion of the " original original " and the various images, if desired.

As will be understood by those skilled in the art this entire process can be totally secure and result in the substitution of a " new original " document at a place distant from the now non-existent " original original " strictly in accordance with all requirements.

Figures 5 and 6 reveal steps of my new business model algorithms utilizing the recently authorized electronic signatures for various parties at different locations to execute a single original document at a given location which may be entirely different from the location of any of the signatories.

Figure 5 shows the steps of the algorithm wherein an original document in the possession of a " holder " is first transmitted to a first party who receives a first hard copy original. The first party forwards the document to a second party with the first hard copy original at the first party's location being destroyed. The second party will receive a second hard copy original. The second party will transmit the second hard copy original to a third party, after which the second hard copy original is destroyed. The process can be repeated as many times as necessary until all parties have received and passed on the document.

When all parties have received (whether it be only one or any given number) the "final hard copy original" will be in the custody of an appropriate final "holder". At this time, all parties may execute the document using electronic signatures.

It may be possible that each party may desire to maintain his/her hard copy rather than destroy it. Depending upon the rules adopted for any particular transaction this is permissible, with the only original signed hard copy original being the one in the possession of the holder.

The second party can be the last party, in which case the second party may execute and maintain the document or may execute and transmit the document back to the holder

In the algorithm of figure six an original document is transmitted by an "holder" to all necessary parties. The parties will execute the original in the possession of the holder by electronic signature after which the holder may transmit a copy of the electronically executed document to each party.

Figure 7 depicts the steps of my step by step method, or algorithm for sequential, simultaneous, or random execution of a document or the like by multiple parties. While I -17-

originally designed this for multiple parties, it is to be recognized that the first portion could be applicable to a single party.

As indicated in figure 7, an original document is electronically transmitted by a holder of the document to a first party to the document at a first location remote from that of the holder. A first hard copy is printed at the first location.

The first party executes the first hard copy and transmits it to a second party and to the holder. (Note: It could be that a single party, the first party would be the only party who will execute the document - in that event, the document will be executed and electronically returned to the holder).

The second party prints a second hard copy of the document, which will now bear the signature or other evidence of execution by the first party. The second party executes the second hard copy and electronically transmits it to a third party and to the holder. The process continues until the latest hard copy bears evidence of execution by all parties.

In practicing this algorithm, the holder receives an electronic copy of each new document showing execution by yet another party. In this manner, the holder is alerted, and will know exactly which party is involved, in the event one WULPTAPP.PAT -18-

party does not promptly execute the document. Until I devised this system, when execution of a document was delayed, it was sometime a difficult task to determine where the document was and what the cause of the delay was.

In an alternate to the system of figure 7, the holder sends an electronic copy of the document to each party, and each merely executes electronically and returns to the holder. In this variation, once all the counterparts have been executed the execution is complete. This is not deemed as appropriate by many persons who desire to see one complete document. Additionally, it may be that execution in counterparts is not allowed.

Figure 8 may seem to some to be at complete variance to the basic theme of this invention. However, that is not true as I consider attendance at a meeting as somewhat akin to the execution of a document in that various propositions may be voted upon, the like. In that respect it is logical to include it in this application.

In today's high pressure business mode, there are occasions when all necessary or proper participants may be unable to attend meetings physically. Yet there are numerous occasions when the failure to attend can amount to a near dereliction of duty. For example, elected officials such as members of congress should participate in meeting and votes in order that the interests of their constituents are properly WULPTAPP.PAT

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represented. If a member is absent it may be that the basic rights of constituents have been violated.

In my method, a member of a body who is unable to attend a meeting will be able to be contacted electronically and cast votes, or otherwise participate electronically with verification by electronic signature.

I have made reference to shredding of documents for destruction thereof, to electronic signatures, and other such matters. It is to be understood that destruction of documents could be by burning or other means; signature could be by mark before witnesses; and other such commonly know alternatives may be employed without departing from the teachings and desired disclosure herein. In all cases, reasonable equivalents are meant to be included within any definitions given.

In the claims which follow I may fail to claim every patentable feature of this invention. If that should happen, it will be due to inadvertence and not to be considered an abandonment nor dedication of such feature. In such event, upon discovering any such failure to claim I shall immediately seek to establish such claim by re-issue or other suitable procedure.

While the embodiments of this invention shown and described are fully capable of achieving the objects and advantages desired, it is to be understood that such WULPTAPP.PAT -20-

embodiments have been shown and described for purposes of illustration only and not for purposes of limitation.

### **CLAIMS**

I CLAIM:

Claim 1: An algorithm for providing a legally usable and authenticated document in lieu of an original document comprising: scanning an original document at a first location; destroying the original document; impressing the scanned original document image onto an electronic storage medium at the first location; transmitting the scanned original document image over electronic transmission means to an electronic storage medium at a second location; deleting the scanned original document image from the electronic storage medium at the first location; printing a single copy of the original document image at the second location; and deleting the scanned original document image from the electronic storage medium at the second location.

- 2. The algorithm of claim 1 wherein at each step of the algorithm the accuracy of the execution of the preceding step is verified prior to the destruction or deletion of the document or image.
- 3. The algorithm of Claim 1 wherein after scanning said original document at said first location said original document is maintained in a secure environment until authorization is received from the second location to destroy said original document.

Claim 4: Apparatus for duplicating an original document comprising in cooperative relationship: a computer; a scanner cooperative with said computer; a printer cooperative with said computer; a document transport means cooperative with said scanner so as to transport a scanned document to a destruction means; a computer monitor cooperative with said computer so as to display information with has been scanned and verify its accuracy as an image of the transported document; and means to initiate destruction of the transported document upon proper verification of the image accuracy.

Claim 5: An algorithm for electronic execution of a document comprising the steps of: 1. a document holder providing electronic images of a document to each of a multiplicity of parties to the document each located at different locations from the document and from each of the other parties; 2. each party electronically executing the document; and, 3. the holder electronically providing a copy of the electronically executed document to each party.

Claim 6: A method of providing a properly usable copyrighted document for use by a single user at a location remote from the location of the original copyrighted material comprising: scanning the original copyrighted material by a computer scanner at a first location; verifying the accuracy of the scanned information at said first location; transmitting the scanned, copyrighted information by first WULPTAPP.PAT -23-

computer means at the first location to second computer means at a second location; printing the copyrighted information so transmitted at said second location; verifying the accuracy of the printed copyrighted document at the second location; and, after verifying accuracy of the printed document at the second location, simultaneously releasing said document for use while destroying the original copyrighted document at said first location.

Claim 7: A method for holding a meeting and voting on propositions in a body with individual members of the body located at divergent geographical areas comprising: calling a meeting to order at a predetermined location; equipping each member of the body with a unique electronic identifier; during the course of a meeting proposing a proposition requiring a vote of the individual members; electronically contacting each member at a location other than the location of the meeting; electronically transmitting the proposition requiring a vote to each member at a different geographical location from that where the meeting is being held; each member electronically contacted transmitting a vote on the proposition to the place of the meeting using the members unique electronic identifier as a verification of the member's vote; and upon verification of the member's identifier recording the member's vote.

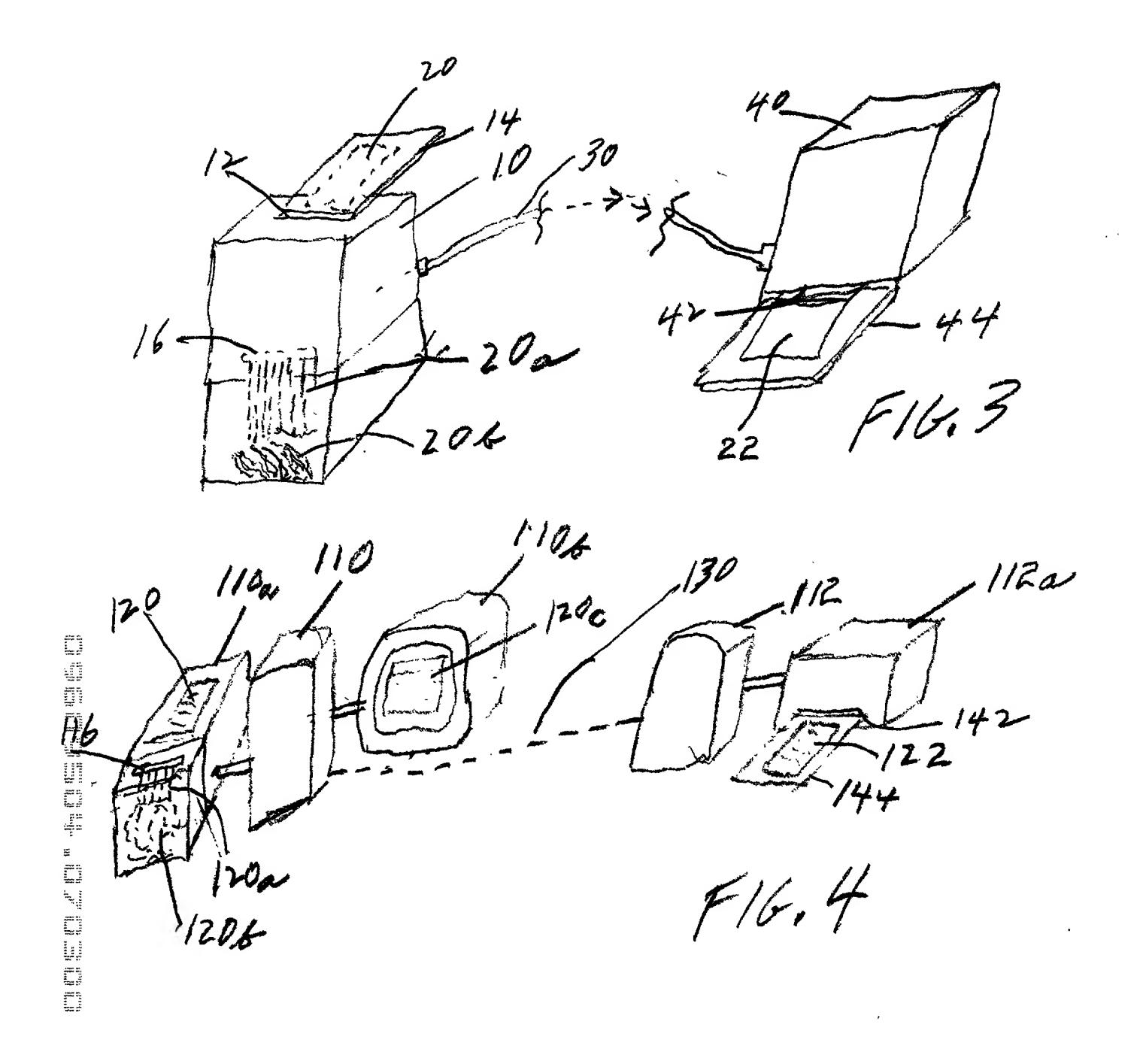
### ABSTRACT OF THE INVENTION

A business model algorithm for creating a second "original "document of an original document from a first location to a second location by means of transmitting an electronic image of said document and printing the same at the second location, verifying the accuracy of the transmitted image, validating the transmitted ad printed copy and destroying the original document at the first location, and scanning, verifying, printing, comparing accuracy and validation of the transmitted copy, and a business model algorithm for electronic verification and execution of documents by a multiplicity of parties located at different locations from each other and from the location of the document.

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### **DECLARATION AND POWER OF ATTORNEY**

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; that

I believe that I am the original, first and sole inventor of the invention entitled:

# BUSINESS MODEL ALGORITHM AND APPARATUS FOR CREATING ORIGINAL DOCUMENTS AT REMOTE LOCATIONS

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims and drawings thereof.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37 Code of Federal Regulations, ~1.56(a).

I hereby claim the benefit under Title 35, United States Code, ~120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code ~112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, ~1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Appln. Serial No.) (Filing Date) (Patented, Pending, Abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application of any patent issuing thereon.

I hereby appoint Herbert C. Schulze (Reg. No. 18,173); mailing address:

Herbert C. Schulze 2790 Wrondel Way, PMB36 Reno, NV 89502

WULPTAPP.PAT

my attorney and/or agent, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. Please address all correspondence to Herbert C. Schulze at the above address.

July 3, 2000

Date

Howard E. Walforst

Residence Address:

1275 Antelope Valley Road Reno, NV 89506-0160

Post Office Address: Post Office Box 60160

Reno, NV 89506-0160

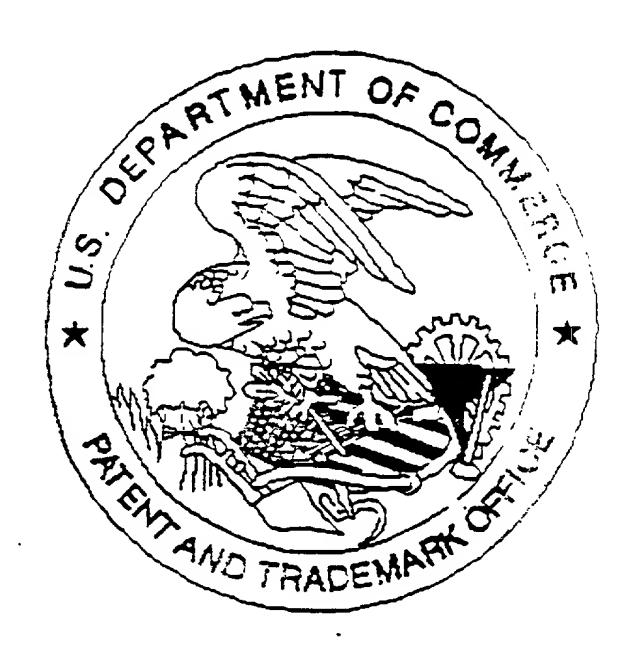
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There are 4 drawings in this casti